

Physics 515, Spring 2018, University of Washington									
Graduate Classical Electrodynamics: Quarter 3 of 3									
	Text: John David Jackson, "Classical Electrodynamics," 3th ed.								
	(syllabus ver. 10apr18 13:00)								
week	date	lecture topic	reading*						
1	28-Mar	Scattering & Diffraction I: Long-wavelength cross-section	10.1-2						
	30-Mar	Scattering & Diffraction II: Scalar & vector diffraction	10.5-7						
2	4-Apr	Scattering & Diffraction III: Complementary screens, apertures, optical thm.	10.8-11						
	6-Apr	Relativity I	11.1-6						
3	11-Apr	Relativity II	11.7-12						
	13-Apr	Lagrangian Formulation I	12.1-3						
4	18-Apr	Lagrangian Formulation II	12.4-7						
	20-Apr	Lagrangian Formulation III	12.8-11						
5	25-Apr	Collision & energy loss I	13.1-3						
	27-Apr	Collision & energy loss II	13.4-7						
6	2-May	Radiation by moving charges I	14.1-3						
	4-May	MID-TERM EXAM							
7	9-May	Radiation by moving charges II	14.4-5						
	11-May	Radiation by moving charges III	14.6-8						
8	16-May	Radiative processes I	15.1-3						
	18-May	Radiative processes II	15.4-5						
9	23-May	Radiative processes III	15.6-7						
	25-May	Radiation damping I	16.1-3						
10	30-May	Radiation damping II	16.4-6						
	1-Jun	Radiation damping III	16.7.8						
11	6-Jun	FINAL EXAM (TENTATIVE: CHECK FINAL-EXAM SCHEDULE)							
		* The pace of the class, and therefore the readings, may vary from shown above.							
		Also, there will be special topics discussed in lecture.							

